

ABSTRACTBREATHING APPARATUS

A breathing apparatus is described, having a breathing circuit comprising a mouthpiece and one or more gas carrying conduits, a compressed gas source and a counterlung. The compressed gas source is in communication with the counterlung via the breathing circuit. The counterlung has an expansion assisting means and a contraction assisting means, and a control allows selective activation of the expansion assisting means and the contraction assisting means. The counterlung has primary and secondary chambers, and inflation of the secondary chamber causes inflation of the primary chamber. The expansion assisting means is a flow of compressed gas to inflate the secondary chamber.

Fig. 1